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Do not assume content reflects current scientific knowledge, policies, or practices.





### WATER SUPPLY OUTLOOK FOR ARIZONA

Prepared by

### U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

SALT RIVER VALLEY WATER USERS ASSOCIATION and ARIZONA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.



### TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

NT of

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

### WATER SUPPLY OUTLOOK FOR ARIZONA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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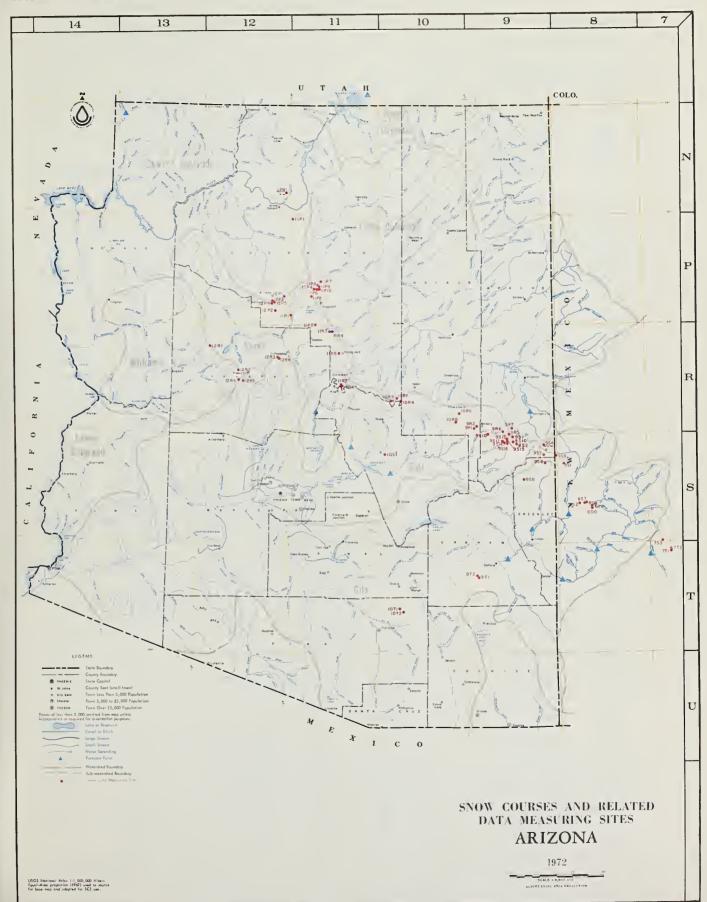
PRESIDENT
SALT RIVER VALLEY WATER
USERS ASSOCIATION

Report prepared by

RICHARD W. ENZ, Snow Survey Supervisor

SOIL CONSERVATION SERVICE ROOM 6029 FEDERAL BUILDING PHOENIX, ARIZONA 85025





### INDEX to SNOW COURSES and SOIL MOISTURE STATIONS

NUMBER	<u>NAME</u>	SEC.	TWP.	RGE.	ELEV.	DRAINAGE	<u>OBSERVER</u>
11P10-A	Agassiz	32	23N	7E	11200	Little Colorado	SCS-USBR
11R7 11R6 9S1-A 9S15 9S16 10T1 9S6 12P5 12P4 9S10-*	Baker Butte #2 Baker Butte (p) Baldy (p) Baldy #2 Baldy #3 Bear Wallow Beaver Head Bill Williams Intermediate Bill Williams Summit Black River Divide Bright Angel	9 4 28 12 13 6 13 17 17 10 34	12N 12N 7N 6N 6N 12S 4N 21N 21N 6N 33N	9E 9E 27E 26E 26E 16E 30E 2E 27E 3E	7700 7300 9125 9750 10950 8100 8000 8550 8950 9400 8400	Verde Verde Little Colorado Little Colorado Little Colorado Gila San Francisco Cataract Verde Salt Bright Angel Creel	SCS SCS SCS-FS SCS-FS FS PVT-SRP FS FS SCS K IIPS
12R1 10R7-M 10R9 12P1-M 9R7 12R6 10R8-* 9S7 9T2-A	Camp Wood Canyon Creek #2 Canyon Point (p) Chalender Cheese Springs Copper Basin Divide (p) Corduroy Creek Coronado Trail Crazy Horse	3 18 28 27 28 23 4 26 34	16N 11N 11N 22N 8N 13N 8N 5N	6W 15E 14E 3E 27E 3W 21E 30E 24E	5700 7500 7600 7100 8600 6720 6000 8000 10200	Verde Little Colorado Salt Verde Little Colorado Verde Salt San Francisco Gila	FS SCS SCS FS SCS SCS SCS FS FS
7T1	Emory Pass #1	16	16S	9W**	7800	Mimbres	SCS
7T2	Emory Pass #2	16	16S		7800	Mimbres	SCS
10R6	Forest Dale	2	9N	21E	6430	Salt	BIA
9R5	Ft. Apache	18	7N	27E	9160	Little Colorado	SCS
11P2	Ft. Valley (p)	22	22N	6E	7350	Little Colorado	FS
8S1-M	Frisco Divide	31	6S	20W**	8000	San Francisco	FS
12R4	Gaddes Canyon	11	15N	2E	7600	Verde	Pvt
11P1	Grand Canyon	21	30N	4E	7500	Hance Creek	NPS
9S11	Hannagan Meadows (p)	19	3N	29E	9090	San Francisco	Pvt
11R5	Happy Jack	30	16N	9E	7630	Verde	FS
9R10	Hawley Lake	13	7N	24E	8300	Salt	BIA
10R4	Heber (p)	28	11N	15E	7600	Little Colorado	SCS
9T1-A	High Peak	34	8S	24E	10500	Gila	FS
8S9-A	Hummingbird	19	11S	17W**	10550	Gila	Pvt-SCS
11P9	Inner Basin #1 (p)	28	23N	7E	10000	Little Colorado	SCS-USBR
11P8	Inner Basin #2 (p)	28	23N	7E	9750	Little Colorado	SCS-USBR
11P7	Inner Basin #3	3	23N	7E	10250	Little Colorado	SCS-USBR
12R2	Iron Springs	22	14N	3W	6200	Bill Williams	SCS
9S2-A	Maverick Fork (p) McKnight Cabin McNary Milk Ranch Mingus Mountain Mogollon Mormon Lake Mormon Mountain (p) Mt. Ord	13	6N	27E	9150	Salt	SCS
7S3-A		10	15S	10W**	9300	Mimbres	Pvt-SCS
9R2-M		23	8N	23E	72000	Salt	BIA
9R1		33	8N	23E	7000	Salt	BIA
12R3		3	15N	2E	7100	Verde	Pvt
8S2		2	11S	19W**	7000	San Francisco	Pvt
11R4		13	11S	8E	7350	Little Colorado	SCS
11R3-M-A		14	18N	8E	7500	Verde	SCS
9S12-A		4	6N	26E	11200	Salt	SRP-SCS
11P5-M	Newman Park	25	19N	6E	6750	Verde	SCS
9S4	Nutrioso	23	6N	30E	8500	San Francisco	FS
8S7	Redstone Trail	5	11S	18W**	8600	San Francisco	Pvt
10T2	Rose Canyon	15	12S	16E	7300	Gila	FS
8S8	Silver Creek Divide	4	11S	18W**	9000	San Francisco	Pvt
9S14-A	Smith Cienega	10	6N	26E	10050	Salt	SRP-SCS
11P4	Snow Bowl #1 (p)	36	23N	6E	10260	Verde	FS
11P6	Snow Bowl #2	31	23N	7E	11000	Verde	FS
9S8	State Line	6	6S	21W**	8000	San Francisco	FS
9517	Sunrise Summit	36	7N	26E	10600	Salt	FAIR
12P2	White Horse Lake Jct.	2	20N	2E	7180	Verde	FS
12R5	White Spar	19	13N	2W	6000	Verde	SCS
8S10-A	Whitewater	19	11S	17W**	10750	Gila	Pvt-SCS
12P3	Williams Ski Run	9	21N	2E	7720	Cataract	FS
9R6	Wilson Lake (p)	4	7N	26E	9000	Salt	SCS
10S1	Workman Creek	33	6N	14E	6900	Salt	FS

M SOIL MOISTURE STA. A ARRIAL SNOW DEPTH MARKER

(p) STORAGE GAGE

\*\* SOIL MOISTURE STA. ONL

\*\* NM PRINCIPAL MERIDIAN

SOIL MOISTURE STA. ONLY

### ARIZONA WATER SUPPLY OUTLOOK

FEBRUARY 1, 1972

Near normal water supplies are predicted for 1972. Reservoir storage is near average or above. Spring runoff will be slightly below average, but significantly greater than that received last year.

### SNOW COVER

With no storm activity in over a month, snow cover is much below average for this date. At 9000' and above the snow pack is near normal, but below 7500' there is virtually no snow left. Snow cover varies from 33% of average on the Verde Watershed to 87% on the Little Colorado with the Salt 67% and the Gila 75% of average. This is better than last year on the Gila, Salt and Little Colorado, but half of that present last year on the Verde.

### PRECIPITATION

With no precipitation reported this month at most stations, this is probably the driest January in fifty years. Flagstaff, with 73 years of record, has never recorded a zero precipitation measurement for January. Since November 1, precipitation has been half of average on the Verde Watershed and about 80% of average on the other watersheds.

### SOIL MOISTURE

At the higher elevations soil moisture is still good, but below 7500' the surface is drying rapidly. Soils that were saturated on the 15th of January are now close to field capacity, the free water having drained out. Moderate runoff can still be expected should moderate precipitation occur, but conditions are far less conducive to good runoff than they were earlier in the year.

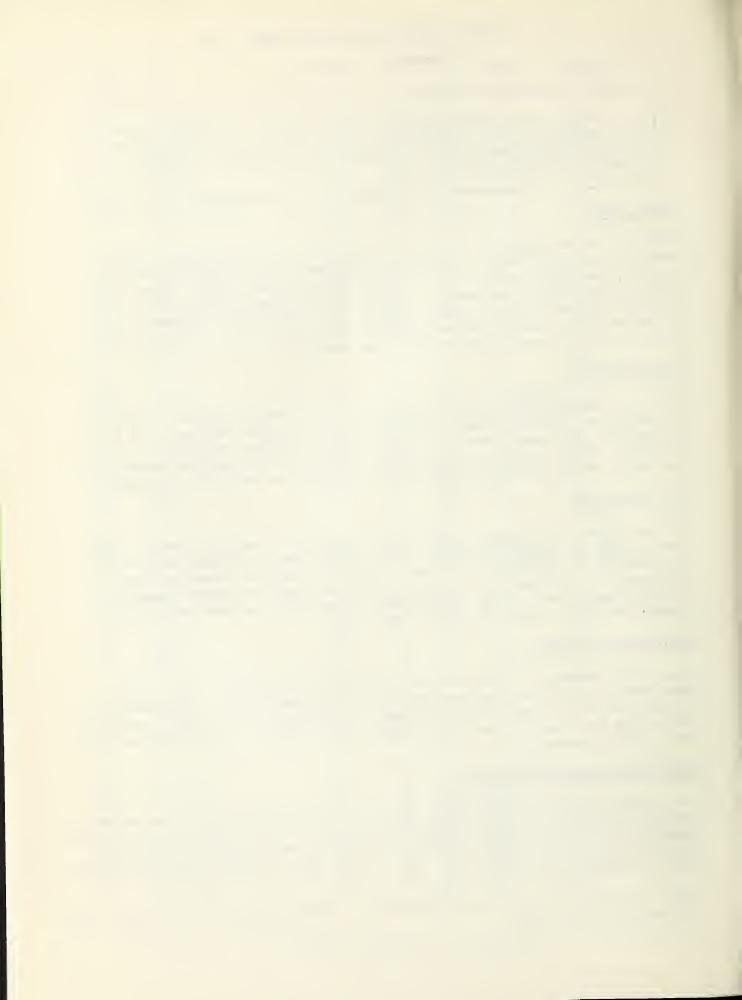
### RESERVOIR STORAGE

Reservoir storage is near normal or above, but slightly less than a year ago. Salt River Project Reservoirs are half full and contain an average amount of water for this date. San Carlos Reservoir contains 37% above average. This is ten times more than last year, but is still only 14% of capacity.

### STREAMFLOW AND WATER SUPPLY

Salt River Project streams are predicted to produce 300,000 acre-feet during the January through May period. This is twice that received last year, but only 61% of the 1953-67 average. The forecast for the Gila River of 108,000 acre-feet is ten percent below average, but four times that received last year.

Water supplies should be adequate in all areas this year and considerably better than last year.



ABOUT FEB. 1

STREAMFLOW FORECASTS 1972		THIS YEA	R		RECORD
BASIN STREAM and/or FORECAST POINT	FORE Thousand	Percent of Average	FORECAST	THOUSAND Last Year	ACRE FEET  Average +
	Acre Feet	Average	PERIOD	Last rear	Average .
SALT RIVER DRAINAGE					
Salt near Roosevelt Tonto Creek near Roosevelt Verde River above Horseshoe	189 13 98	67 30 57	Jan-May Jan-May Jan-May	68.9 6.1 68.3	280.9 42.6 171.9
GILA RIVER DRAINAGE					
Gila River near Gila Gila River near Solomon Gila River near Virden Frisco River at Clifton Frisco River at Glenwood Gila River near Solomon MIMBRES RIVER DRAINAGE	50 108 58 53 20 31	109 90 98 89 91 81	Jan-May Jan-May Jan-May Jan-May Jan-May March	15.3 26.2 14.6 13.4 6.0 5.1	45.7 119.6 59.3 59.8 22.7 38.4
Mimbres River near Mimbres	2	61	Jan-May	0.8	3.3
COLORADO RIVER DRAINAGE					
Little Colo. River above Lyman Dam Colorado River Lake Powell Inflow *	7 DELAYED	78	Jan-June	1.4	9.0
VIRGIN RIVER DRAINAGE	DDUATED		Apr-July	8378.0	6527.0
Virgin River nr. Littlefield	43	129	Apr-June	17.4	33.4
GRANITE CREEK DRAINAGE					
Granite Creek Willow Creek	1.6	==	Jan-May Jan-May		
Based on the 15-year period, 1953-67  Forecast issued by Soil Conservation Service, Salt Lake City, Utah					
	2 -				

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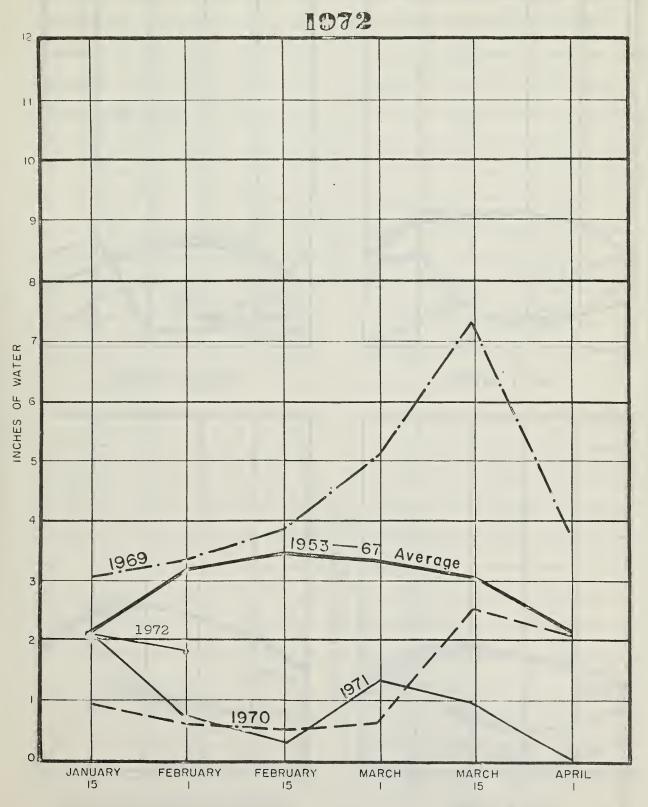
### RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

### ABOUT FEBRUARY 1, 1972

	RESERVOIR	Usable Capacity		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average*
GILA RIVER DRAINAGE					
Agua Fria	Lake Pleasant	157.6	55.5	76.4	41.0
Granite	Watson Lake	4.7	3.1	1.7	
Granite	Willow Creek	6.1	1.7	1.1	
Gila	San Carlos	948.6	134.1	11.7	98.
Verde (2)	Bartlett & Horseshoe	317.7	126.2	150.9	100.
Salt (4)  COLORADO RIVER DRAINAGE	Roosevelt, Apache, Canyon & Saguaro	1755.0	933.2	951 <b>.7</b>	929.6
Colorado	Lake Havasu	619.4	538.9	544.5	540.0
Colorado	Lake Mohave	1810.0	1,631.0		1674.0
Colorado	Lake Mead	26159.0	17,901.0		16599.8
Colorado	Lake Powell	25002.0	12,943.0		
Little Colorado	Lyman	30.6	8.1	11.6	9.0
Little Colorado	Show Low Lake	5.1	4.6	0.3	1
Based on 15-yee.	r period, 1953-67 less than 15 years	of record			
		- 3 -			

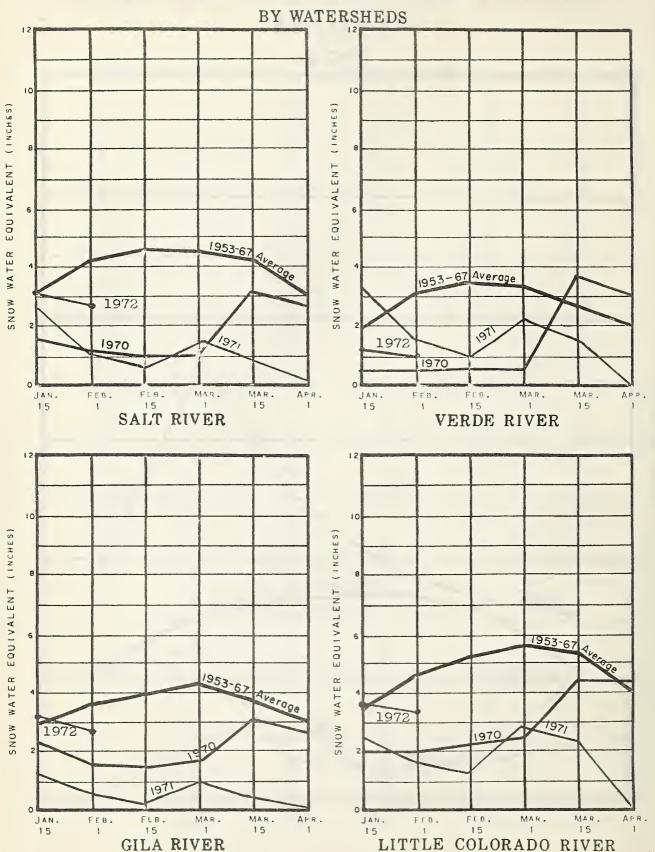


### RELATIVE SNOW WATER ACCUMULATION ARIZONA



This graph represents the average snow water content on eleven selected snow courses on Arizona Sub-Watersheds.

### 1972 ARIZONA SNOW COVER



SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS) ABOUT FEBRUARY 1, 1972

RIVER BASIN and/or SUB-WATERSHED	Courses	ABOUT FEBRUARY 1, 1972 THIS YEAR'S SNOW WATER AS PERCENT OF:		
MAEN DADIN SIGN OF SUCH ENDIER	Number of Courses Averaged	Last Year	Average	
Gila	10	607	75	
	10	007	/ 5	
Salt	10	205	67	
		200		
Verde	10	67	33	
Little Colorado	5	218	87	
2				
	11			



### WATER SUPPLY INVENTORY

### SALT RIVER VALLEY SYSTEM

FEBRUARY 1, 1972

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	2,000,000
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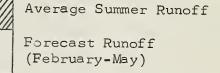
### AVERAGE SUPPLY ON FEBRUARY 1

Average Summer Runoff	1,500,000
Λ	D H
Average Spring Runoff	∢

### 1,000,000



### ANTICIPATED 1972 SUPPLY\*



Present Storage

<sup>\*</sup> Based on Present Storage & Forecast Spring Runoff & Average Summer Runoff

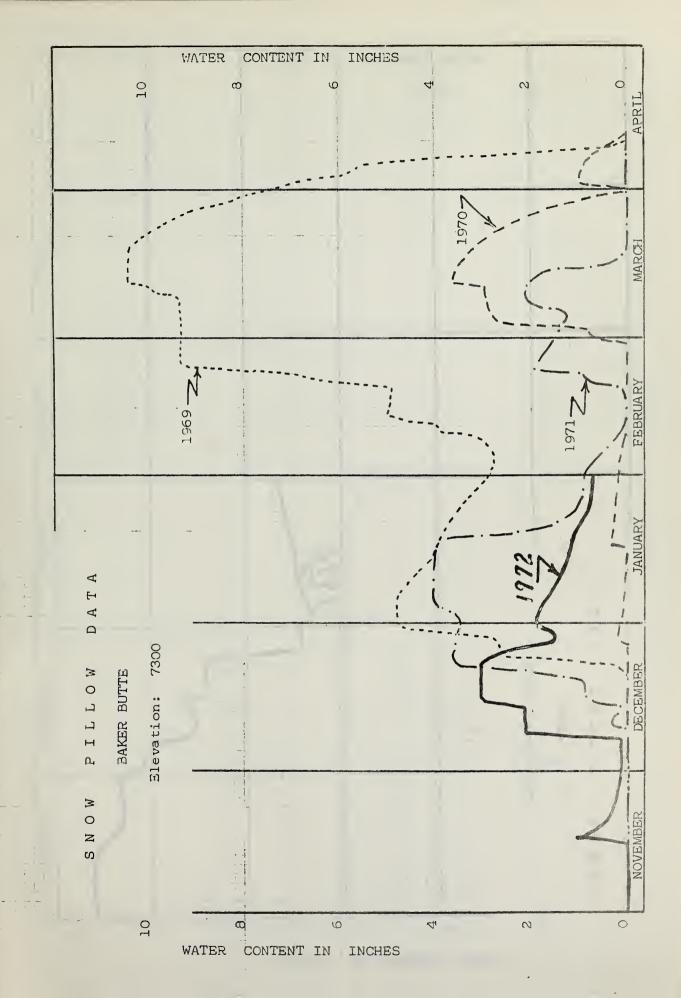


ABOUT FEBRUARY 1, 1972  DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR	W C	PAST RECORD  Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
GILA RIVER						
Bear Wallow	8100	1/31	0	0.0	0.0	4.5
Beaver Head	8000	1/28	4	1.7	0.0	2.6
Coronado Trail	8000	1/28	3	1.1	0.0	2.2
Crazy Horse (A)	10200					
Emory Pass #1 *	7800	1/31	0	0.0	0.0	
Emory Pass #2 *	7800	1/31	2	0.7	0.0	
Frisco Divide	8000	1/28	4	1.9	0.0	2.1
Hannagan Meadows *	9090	1/28	19	6.7	1.4	6.9
High Peak (A)	10500	-,			1.1	0.3
Hummingbird (A)	10550	1/31	32	12.5	0.0	9.7
McKnight Cabin * (A)	9300	1/31	10	4.0	0.0	i
Mogollon	7000	1/30	0		1	
Nutrioso	8500		1	0.0	0.0	1.4
Redstone Trail	8600	1/28	3	1.1	0.0	1.8
Rose Canyon		1/30	13	4.3	0.7	6.8
Silver Creek Divide	7300	1/31	0	0.0	0.0	2.9
State Line	9000	1/30	22	7.0	2.3	7.9
	8000	1/28	5	1.9	0.0	2.4
Whitewater (A)	10750	1/31	64	19.2	4.8	11.3
SALT RIVER						
Baldy *	9125	1/31	15	4.6	1.3	5.5
Beaver Head	8000	1/28	4	1.7	0.0	2.6
Canyon Creek	7500	1/31	1	0.5	0.9	2.9
Canyon Point	7600	1/31	T	0.0	1.5	3.1
Coronado Trail	8000	1/28	3			
Forest Dale	6430	1/31	0	1.1	0.0	2.2
Ft. Apache	9160	1/31		0.0	0.0	1.2
Hannagan Meadows	9090		21	5.6	2.6	5.8
Hawley Lake		1/28	19	6.7	1.4	6.9
Heber	8300	1/31	7	2.6	3.4	5.1
Maverick Fork	7600	1/31	1	0.4	1.1	2.9
McNary	9050	1/31	18	5.3	2.2	6.4
Milk Ranch	7200	1/31	1	0.3	0.0	2.1
	7000	1/31	0	0.0	0.0	1.7
Mt. Ord (A) Nutrioso *	11000	co on co				13.4
	8500	1/28	3	1.1	0.0	1.8
Smith Cienega (A)	9850				3.7	9.8
Sunrise Summit	10600	N O	REP	TRC		
Wilson Lake	9000	2/1	27	7.6	4.9	6.8
Workman Creek	6900	1/26	3	0.9	4.0	4.3
ILL WILLIAMS RIVER						
Camp Wood *	5700	1 /01	_	0.0		
Copper Basin Divide	5700	1/31	0	0.0	0.0	0.8
Iron Springs	6720	1/31	0	0.0	0.0	1.3
Tron opinigs	6200	1/31	0	0.0	0.0	1.1
1953-67 15-year period.	(*) Adj	acent d	ainage.	(**)	1953-67	
djusted average (A) Aer	ial obser	rvation	Water	conten	t octima	



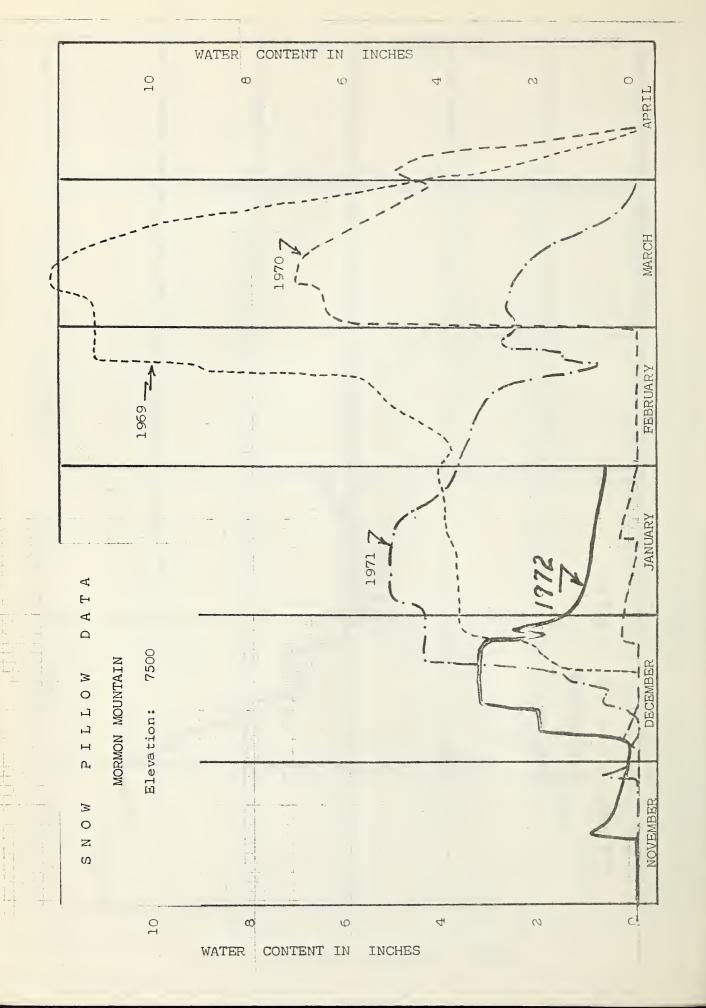
N		THIS YEAR PAST RECORD Water Content (inch			nt (inches)	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average †
NAME	Elevation				Last Tear	7,110102
VERDE RIVER						
Baker Butte	7300	1/31	5	2.0	2.6	4.7
Baker Butte #2	7700	1/31	13	4.6		
Camp Wood	5700	1/31	0	0.0	0.0	0.8
Chalender	7100	1/28	1	0.3	0.4	2.3
Copper Basin Divide	6720	1/31	0	0.0	0.0	1.3
Fort Valley	7350	1/28	0	0.0	0.0	1.6
Gaddes Canyon	7600	1/30	1	0.3	3.0	3.2
Happy Jack	7630	1/31	0	0.0	0.0	2.3
	6200	1/31	0	0.0		
Iron Springs *		1	-		0.0	1.1
Mingus Mountain	7100	1/30	0	0.0	0.0	0.9
Mormon Lake *	7350	1/31	0	0.0	2.0	3.2
Mormon Mountain	7500	1/31	2	0.7	2.5	3.8
Newman Park	6750	1/31	0	0.0	T	1.9
Snow Bowl #1	10260	1/31	23	6.8	4.8	7.1
Snow Bowl #2	11000	1/31	42	13.1	6.8	11.4
White Horse Lake Jct.	7150	1/30	0	0.0	0.3	
White Spar	6000	1/31	0	0.0	0.0	1.1
LOWER COLORADO RIVER Bill Williams Intermedia	+- 0550	1/31	10	2.6	2.7	
Bill Williams Intermedia			ł .	1	3.7	
	8950	1/31	17	4.9	5.2	
Bright Angel	8400	7 /00		0.0		
Chalender *	7100	1/28	1	0.3	0.4	2.3
Fort Valley	7350	1/28	0	0.0	0.0	1.6
Grand Canyon	7500	1/31	0	0.0	0.0	1.8
Williams Ski Run	7720	1/31	6	1.7	3.3	
LITTLE COLORADO RIVER						
Agassiz	11200	2/1	45	14.0	10.2	
Baldy	9125	1/31	15	4.6	1.3	5.5
Canyon Creek	7500	1/31	1	0.5	0.9	2.9
Canyon Point	7600	1/31	0	0.0	1.5	3.1
Cheese Springs	8600	2/1	17	4.5	2.0	0.1
Forest Dale	6430	2/1	0	0.0	0.0	1.2
Ft. Apache	9160	1/31	21	5.6	2.6	5.8
Fort Valley	7350	1/28	0	0.0		1.6
Happy Jack *	7630	1/31			0.0	
Heber	7600		1	0.0	0.0	2.3
Inner Basin #1		1/31	1	0.4	1.1	2.9
Inner Basin #1 Inner Basin #2	10100	2/1	36	13.3	6.3	
	9750	2/1	23	9.0	3.3	
Inner Basin #3	10250	2/1	19	7.3	0.8	
McNary	7200	1/31	1	0.3	0.0	2.1
Mormon Lake	7350	1/31	0	0.0	2.0	3.2
Mormon Mountain	7500	1/31	2	0.7	2.5	3.8
Nutrioso	8500	1/28	3	1.1	0.0	1.8
Snow Bowl #1	10260	2/1	23	6.8	4.8	7.1
Snow Bowl #2	11000	2/1	42	13.1	6.8	11.4
Wilson Lake *	9000	2/1	27	7.6	4.9	6.8
1050 65 15	6-1-2					
1953-67 15-year period.	(*) Ad-	acent d	rhinage	.   (**)	1953-67	





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	WATER	CONTENT IN	INCHES			
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	-					MARCH
			-			FEBRUARY
T A .		1972				JANUARY
PILLOW DA MAVERICK FORK Elevation: 9050		****	7			DECEMBER
w o w						NOVEMBER
100	WATER (	CONTENT IN	で INCHES	0	0	



DRAINAGE BASIN and	T FEBRUARY 1 1972 CURRENT INFORMA				FROM AF	PROX. NOV. 1 TO DATE	
PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent o
GILA RIVER							
	0000	1 /20	30		0 06		
Silver Creek Divide	9000	1/30 1/28	,30	2.67*	8.86 6.41	7.90*	81
Hannagan Meadows Frisco Divide	8000	1/28	0	2.07	5.52	7.90	
SALT RIVER							
Canyon Point	7600	1/31	.10	3.98	6.62	10.39	64
Hannagan Meadows	9030	1/28	0	2.67*	6.41	7.90*	
Little Wildcat							
(Heber Snow Course)	7600	1/31	0	3.54*	7.62	9.07*	
Maverick Fork	9050	1/31	.17	2.59*	7.13	7.69*	
Workman Creek **	6970	1/26	0	4.29	4.25	11.04	38
Wilson Lake	9100	2/1	.20	9000	6.62		
VERDE RIVER							
Baker Butte	7300	1/31	.32	4.30	6.57	11.46	57
Copper Basin Divide	6720	1/31	0	2.09	3.21	6.79	47
Fort Valley **	7350	1/28	0	1.95	2.71	5.60	48
Happy Jack **	7480	1/31	0	2.60*	5.13	6.72*	
Mingus Mountain	7660	1/30	0	2.00	2.65	5.72	46
Mormon Mountain White Horse Lake Jct.	7500 7150	1/31 1/30	.04	3.00	7.45 6.08	10.01	74
LITTLE COLORADO	, 100	_, _,					
Inner Basin #1	9830	2/1	OF		6 65		
Inner Basin #2	10050	2/1	.05		6.65 7.90		
Sheep Crossing	10000	2/1	.03		7.90		
(Baldy Snow Course)	9125	1/31	.21	2.93*	6.78	7.43*	91
Little Wildcat							
(Heber Snow Course)	7600	1/31	0	3.54*	7.62	9.07*	84
† 1953-67 Average							
* Adjusted Average							
dul. D							
** Data Supplied by U.S. Forest Service						-	
o.b. rolest bervice							
						10	



SOIL MOISTURE ABOUT FEBRUARY 1, 1972

DRAINAGE BASIN and/or STATION	DRAINAGE BASIN and/or STATION			Date of	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity	Date of Survey	This Year	Last Year	Average +
GILA RIVER Frisco Divide	8000	48	13.3	1/28	10.6	6.0	10.0
SALT RIVER							
Black River Divide	9100	48	16.8	2/1	17.8	17.7	15.4
Canyon Creek	7500	48	18.3	1/31	17.8	17.8	15.1
Corduroy Creek	6000	36	13.5	2/1	12.8	9.0	8.1
McNary	7200	48	16.3	2/1	17.7	15.2	14.6
VERDE RIVER							
Mormon Mountain	7500	48	16.1	1/31	17.5	14.8	14.9
Newman Park	6750	48	17.7	1/31	16.2	18.2	14.7
† 1953-67 15-year average							
		<b>-</b> 15	-				



Baker Butte #1 & #2

Baldy

Bear Wallow Beaver Head

Bill Williams Intermediate

Bill Williams Summit

Bright Angel Camp Wood Canyon Creek Canyon Point Chalender

Cheese Springs

Copper Basin Divide

Coronado Trail Crazy Horse

Emory Pass #1 and #2

Forest Dale Ft. Apache Fort Valley Frisco Divide Gaddes Canyon Grand Canyon Hannagan Meadows

Happy Jack Hawley Lake

Heber High Peak Hummingbird

Inner Basin #1, #2, #3

Iron Springs Maverick Fork McKnight Cabin

McNary Milk Ranch Mingus Mountain

Mogollon Mormon Lake Mormon Mountain

Mt. Ord Newman Park Nutrioso

Redstone Trail Rose Canyon

Silver Creek Divide

Smith Cienega

Snow Bowl #1 and #2

State Line Sunrise Summit

White Horse Lake Junction

White Spar Whitewater

Williams Ski Run

Wilson Lake Workman Creek SCS - Dick Enz

SCS - Wallace Slade

Forest Service - Carl Sollers Forest Service - Gene McDorman Forest Service - Mike King

Forest Service - Mike King

National Park Service - Kenneth Hulick, Dist. Rgr.

Forest Service - Walter G. Richardson

SCS - Dick Enz SCS - Dick Enz

Forest Service - M. Freshour

SCS - Wallace Slade SCS - William Valikai

Forest Service - John O. Maeder Forest Service - Cecil Sims

SCS - Jim Powell and Travis Stevenson

Bureau of Indian Affairs - Raymond Endfield

SCS - Wallace Slade

Rocky Mtn. Forest & Range Experiment Station

Forest Service - J. L. Lockwood

Earl Barto

National Park Service - David A. Strope, Dist. Rgr.

Forest Service - Gene McDorman Forest Service - Warren Harris

Bureau of Indian Affairs - Raymond Endfield

SCS - Dick Enz

Forest Service - Cecil Sims

Ray Freeman

SCS and USBR - Jack Jorgensen & Jay Roberts

SCS - William Valikai SCS - Wallace Slade

Ray Freeman

Bureau of Indian Affairs - Raymond Endfield Bureau of Indian Affairs - Raymond Endfield

Earl Barto James Lyon

SCS - Jack Jorgensen SCS - Jack Jorgensen

Salt River Project - Bill Warskow

SCS - Jack Jorgensen

Forest Service - John O. Maeder

James Lyon

Forest Service - Carl Sollers

James Lyon

Salt River Project - Bill Warskow

FAIR - Ron Malfara (Sunrise Ski Area)

Forest Service - Ky Porter

Forest Service - J. L. Lockwood

Forest Service - Mike King

SCS - William Valikai

Ray Freeman

Forest Service - Mike King

SCS - Wallace Slade

Rocky Mtn. Forest & Range Experiment Station



### The Following Organizations Cooperate in the Arizona Snow Survey Work

### FEDERAL

Department of Agriculture Soil Conservation Service Forest Service Apache Forest Coconino Farest Coranado Forest Gila Forest Kaibab Farest Prescott Forest Racky Mountain Forest and Range Experiment Station Tonta Forest Department Of Cammerce NOAA, National Weather Service Department of Interior Bureau of Reclamation Region III Geological Survey Arizana District Bureau af Indian Affairs Fort Apache Reservation San Carlas Irrigation Project National Park Service Grand Canyon National Park Gila Water Cammissioner Safford, Arizana

### STATE

Arizona Game and Fish Department
Arizona State Parks Board
University of Arizona
Arizona Agricultural Experiment Station
Water Resource Research Center

### IRRIGATION PROJECTS

Salt River Valley Water User's Association Phoenix, Arizona San Carlos Irrigation and Drainage District Coalidge, Arizona

### PRIVATE

Southwest Forest Industries, Inc.
McNary, Arizona
Fort Apache Indian Reservation
White Mountain Recreation Enterprises

Other organizations and individuals furnish valuable infarmation for the snow survey reports. Their cooperation is gratefully acknowledged.

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# COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"